

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Medicine		
Field of Knowledge:	Health Science		
Faculty/School:	Health Sciences		
Course:			
Type:	Compulsory	ECTS credits:	9
Year:	5	Code:	2750
Teaching period:	Ninth-Tenth semester		
Area:	Integrated Medical Surgical Pathology		
Module:	Human Clinical Training		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	225		

## SUBJECT DESCRIPTION

Paediatrics covers the evolutionary period of human existence from conception to the end of adolescence. It includes anything related to the care of healthy children and teenagers (Preventive Paediatrics), the comprehensive medical care of children and adolescents in the event of illness (Paediatrics Clinic), and recognition of and action in response to environmental and psycho-social factors that influence the process of health and disease (Social Paediatrics).

The course helps students to provide comprehensive care to children and adolescents, from a biopsychosocial approach, by developing strategies for the promotion of health and prevention of illness and accidents in each age group, guiding the diagnosis and treatment of major paediatric diseases, based on a rational use of medicines and diagnostic tests, and promoting an empathetic and efficient communication with children, adolescents and their families.

## SKILLS

### Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

### General Skills

To understand and recognise the causal agents and risk factors that determine health conditions and development of illness.

To understand the foundations underpinning action, indications and efficiency in therapeutic interventions based on the scientific evidence at hand.

To listen carefully to, obtain and summarise relevant information about the problems of a patient and understand the content of said information.

To establish good interpersonal communication that makes it possible to address patients, family members, media and other professionals with efficiency and empathy.

To assume one's role in actions aimed at preventing and protecting from illnesses, injuries or accidents, as well as those aimed at maintaining and promoting health - both individually and at a community-based level.

To be able to use information and communication technologies in clinical, therapeutic, preventive and research activities.

To be able to formulate hypotheses and gather information and critically assess it in order to solve problems using scientific methodology.

Students must have demonstrated a command of information and communication technologies (ICTs), using tools and processes that need to be applied to scientific methodology or have a practical medical application.

To engage in professional practice with regard to the independence, beliefs and culture of the patient.

To recognise one's limitations and the need to maintain and update professional skills, with particular emphasis on independent acquisition of new knowledge and techniques and a motivation to achieve quality.

To engage in professional practice with regard to other health professionals, gaining teamwork skills.

### Specific skills

To be familiar with the morphofunctional characteristics of the newly-borns, children and teenagers. Growth. Premature new-borns. To recognise, diagnose and provide guidance in handling the main paediatric disorders. To be familiar with the principles of child nutrition.

To be familiar with cognitive, emotional and psychosocial development in childhood and adolescence. To be familiar with the biological, psychological and social foundations of personality and behaviour. To recognise, diagnose and provide guidance in handling psychiatric disorders. Psychotherapy.

To recognise, diagnose and provide guidance in handling the main types of intoxication.

To recognise, diagnose and provide guidance in handling life-threatening situations.

To know how to perform a complete anamnesis, centred on the patient and focussed on various pathologies, interpreting the meaning of it.

To be able to conduct a physical examination of systems, as well as a psychopathological examination, interpreting their meaning.

To be able to assess the changes in clinical parameters at different ages.

To recognise, diagnose and provide guidance in handling the most prevalent diseases of our time, as well as new ones emerging in our environment - de novo or owing to migration.

To be familiar with pain transmission pathways and their various therapeutic options. To understand the surgical process as a whole, from preoperative evaluation and surgery with anaesthesia care to the postoperative period in the ICU. To manage patients with organ failure in these units.

## DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
143 hours	82 hours